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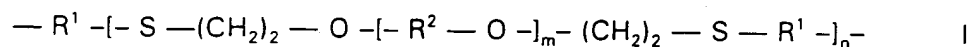
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Abstract

A polythioether includes a structure having the formula I



5 wherein

R^1 denotes a divalent C_{2-6} n-alkyl, C_{3-6} branched alkyl, C_{6-8} cycloalkyl or C_{6-10} alkylcycloalkyl group, or $-[(-CH_2-)_p-X-]_q-(-CH_2-)_r-$,

R^2 denotes methylene, a divalent C_{2-6} n-alkyl, C_{2-6} branched alkyl, C_{6-8} cycloalkyl or C_{6-10} alkylcycloalkyl group, or $-[(-CH_2-)_p-X-]_q-(-CH_2-)_r-$,

10 X denotes one selected from the group consisting of O, S and $-NR^6$,

R^6 denotes H or methyl,

m is a rational number from 0 to 10,

n is an integer from 1 to 60,

p is an integer from 2 to 6,

15 q is an integer from 0 to 5, and

r is an integer from 2 to 10.

The polythioether is a liquid at room temperature and pressure.